EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1163	(359/620-622,624,626,628).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/11 17:09
S2	3745	(250/208.1).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/11 17:14
S3	456	(353/102).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/11 17:14
S4	409	(349/95).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/11 17:17
S5	3521	(257/233,234,432,433).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/11 17:34
S6	6136	(microlens$2 or (micro adj lens$2)) with substrate$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/11 18:29
S7	1	("5479049").PN.	USPAT; USOCR	OR	OFF	2007/09/11 17:34
S8	1	S7 and (focus$3 or focal$2)	USPAT	OR	OFF	2007/09/11 17:34

EAST Search History

S9	120	(microlens$2 or (micro adj lens$2)) with correct$3 with aberration$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/11 17:34
S10	1	"20050110104"	US-PGPUB; USPAT	OR	OFF	2007/09/11 17:34
S11	1	S10 and (absorp$5)	US-PGPUB; USPAT	OR	OFF	2007/09/11 17:34
S12	822	((microlens$2 or (micro adj lens$2)) with substrate$1) with pixel$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/11 17:34
S13	555	S12 and @ad<="20031126"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/11 18:12
S14	1	("5426490").PN.	USPAT; USOCR	OR	OFF	2007/09/11 17:34
S15	1	S14 and substrate$1 and pixel$1	US-PGPUB; USPAT	OR	OFF	2007/09/11 17:34
S16	1	("6307243").PN.	USPAT; USOCR	OR	OFF	2007/09/11 17:34
S17	1034	(359/619).CCLS.	USPAT; USOCR	OR	OFF	2007/09/11 17:34
S18	690	S17 and @ad<="20031126"	USPAT	OR	OFF	2007/09/11 17:34
S19	108	S18 and S6	USPAT	OR	OFF	2007/09/11 17:34
S20	2	"20050061950"	US-PGPUB; USPAT	OR	OFF	2007/09/11 17:34
S21	2	S20 and substrate$1 and pixel$1	US-PGPUB; USPAT	OR	OFF	2007/09/11 17:34
S22	2	(("6821810") or ("7042527")).PN.	USPAT; USOCR	OR	OFF	2007/09/11 17:34
S23	12	(microlens$2 or (micro adj lens$2)) with substrate$1 with refractive with index with greater	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/11 17:34

S24	1878	(microlens$2 or (micro adj lens$2)) with (imager or imaging)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/11 17:34
S25	.17	(microlens$2 or (micro adj lens$2)) with substrate$1 with silicon with dioxide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/11 17:34
S26	6	S25 and S24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/11 17:34
S27	1	S10 and (color$3 with photon$2)	US-PGPUB; USPAT	OR	OFF	2007/09/11 17:34
S28	28	(microlens$2 or (micro adj lens$2)) with imag$3 with correct$3 with aberration$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/11 17:34
S29	2	"20050061950"	US-PGPUB; USPAT	OR	OFF	2007/09/11 17:34
S30	94	((microlens$2 or (micro adj lens$2)) with substrate$1) same aberration$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/11 17:34
S31	27	((microlens$2 or (micro adj lens$2)) with substrate$1) same (correct$3 with aberration$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/11 17:34
S32	67	S30 not S31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/11 17:34

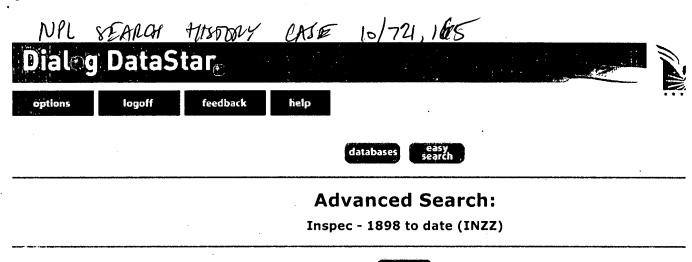| S33	12	(microlens$2 or (micro adj lens$2)) with substrate$1 with refractive with index with greater	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/11 17:34
S34	0	S10 and focal$3	USPAT	OR	OFF	2007/09/11 17:34
S35	1	("6781762").PN.	USPAT; USOCR	OR	OFF	2007/09/11 17:34
S36	1	S35 and color$3	USPAT	OR	OFF	2007/09/11 17:34
S37	1131	((microlens$2 or (micro adj lens$2)) with substrate$1) same pixel$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/11 17:34
S38	0	S10 and focal	USPAT	OR	OFF	2007/09/11 17:34
S39	729	S37 and @ad<="20031126"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/11 17:34
S40	1	S10 and (photon$2)	US-PGPUB; USPAT	OR	OFF	2007/09/11 17:34
S41	1	S35 and refract$3	USPAT	OR	OFF	2007/09/11 17:34
S42	1	S35 and aberration$1	USPAT	OR	OFF	2007/09/11 17:34
S43	0	S10 and focus$3	USPAT	OR	OFF	2007/09/11 17:34
S44	1	"20050103745"	US-PGPUB; USPAT	OR	OFF	2007/09/11 17:34
S45	1	S10 and (account$3 with color$3)	US-PGPUB; USPAT	OR	OFF	2007/09/11 17:34
S46	0	S18 and S23	USPAT	OR	OFF	2007/09/11 17:34
S47	57	boettiger and imager	US-PGPUB; USPAT	OR	OFF	2007/09/11 17:34
S48	0	boettiger and (jack with dinh)	US-PGPUB; USPAT	OR	OFF	2007/09/11 17:34
S49	17	boettiger and (micro adj lens$2)	US-PGPUB; USPAT	OR	OFF	2007/09/11 17:34
S50	9840	S1 or S2 or S3 or S4 or S5 or S17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/11 18:13

EAST Search History

S51	9024	imag$3 same pixel$1 same ((microlens$2 or lens$2) with (focus$3 or focal$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/11 18:15
S52	539	S50 and S51	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/11 18:15

INTERFERENCE EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	44	((microlens$2 or (micro adj lens$2)) with (focus$3 or focal$1) with differ$3).clm.	US-PGPUB	OR	OFF	2007/09/11 18:31
L2	6	((microlens$2 or (micro adj lens$2)) with (focus$3 or focal$1) with differ$3 with substrate$1).clm.	US-PGPUB	OR	OFF	2007/09/11 18:31
L3	0	((microlens$2 or (micro adj lens$2)) with (focus$3 or focal$1) with differ$3 with substrate$1 with mold).clm.	US-PGPUB	OR	OFF	2007/09/11 18:31

US 5764319 A	USPAT	Transmissive display device with microlenses and microprisms adjacent counter electrode	349/8
US 20050061950 A1	US-PGPUB	Micro-lens configuration for small lens focusing in digital imaging devices	250/208.1
US 6307243 B1	USPAT	Microlens array with improved fill factor	257/432
US 7042644 B2	USPAT	Optical substrate and display device using the same	359/619
US 20040008417 A1	US-PGPUB	System and method for providing a substrate having micro-lenses	359/619
US 20040027680 A1	US-PGPUB	Method of manufacturing microlens, microlens, microlens array plate, electrooptic device and electronic equipment	359/642
US 5790730 A	USPAT	Package for integrated optic circuit and method	385/49
US 20050110104 A1	US-PGPUB	Micro-lenses for CMOS imagers and method for manufacturing micro-lenses	257/432
US 7042527 B2	USPAT	Field sequential display of color video picture with color breakup prevention	348/742
US 5426490 A	USPAT	Solid state scanning device	399/220
US 6781762 B2	USPAT	Method of manufacturing microlens, microlens, microlens array plate, electrooptic device and electronic equipment	359/619
US 5479049 A	USPAT	Solid state image sensor provided with a transparent resin layer having water repellency and oil repellency and flattening a surface thereof	257/642
US 20050103745 A1	US-PGPUB	Method of forming micro-lenses	216/26
US 5871653 A	USPAT	Methods of manufacturing micro-lens array substrates for implementation in flat panel display	216/2
US 6821810 B1	USPAT	High transmittance overcoat for optimization of long focal length microlens arrays in semiconductor color imagers	438/69

NPL SEARCH HISTORY CASE 10/724,165

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Advanced Search:

Inspec - 1898 to date (INZZ)

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Search history:

No.	Database	Search term	Info added since	Results	
CP		[Clipboard]		0	-
1	INZZ	imag$3 SAME pixel$1 SAME (microlens$2 OR lens$2) WITH (focus$3 OR focal$1)	unrestricted	117	show titles
2	INZZ	imag$3 SAME pixel$1 SAME (microlens$2 OR lens$2) WITH (focus$3 OR focal$1) WITH (differ$3 OR plurality)	unrestricted	3	show titles

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🌐 Classification codes A: Physics, 2-3

🌐 Classification codes A: Physics, 4-5

🌐 Classification codes A: Physics, 6